

Derwent abstract for DE 19726184

DIALOG(R) File 351:Derwent WPI  
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012255479 \*\*Image available\*\*

WPI Acc No: 1999-061585/\*199906\*

Oil-in-water or multiple emulsion with high concentration of suspended UVB filter - contains 2,2'-methylene-bis(6-(2H-benzotriazol-2-yl)-phenol) compound in oil phase and pH or temperature-dependent emulsifier, useful as light-protection skin care product

Patent Assignee: BEIERSDORF AG (BEIE )

Inventor: GERS-BARLAG H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19726184	A1	19981224	DE 1026184	A	19970620	199906 B

Priority Applications (No Type Date): DE 1026184 A 19970620

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19726184	A1		17	A61K-007/42	

Abstract (Basic): DE 19726184 A

Oil-in-water (O/W) emulsions, especially O/W microemulsions, O/W/O or O/W/O' emulsions, contain (a) an aqueous phase, (b) optionally usual water-soluble or -dispersible substances, (c) an oil phase containing suspended cosmetic or dermatological UV filter(s), (d) emulsifier(s) (A) with pH-dependent lipophilic property and/or becoming more lipophilic with increasing temperature and more hydrophilic with decreasing temperature and (e) optionally other usual substances soluble or dispersible in the oil, preferably selected from other emulsifiers, especially W/O emulsifiers. The UV filter is selected from 2,2'-methylene-bis(6-(2H-benzotriazol-2-yl)-phenol) compound(s) of formula (I), where R1, R2 = 1-18C alkyl, 5-12C cycloalkyl (optionally mono- or poly-substituted by 1-4C alkyl) or aryl.

Also claimed is a method of incorporating (I) in these emulsions.

USE - The formulations are useful for cosmetic and dermatological light-protection skin care products.

ADVANTAGE -

2,2'-Methylene-bis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-phenol) (IA) is a very good UV filter but has poor solubility. The present emulsions and method allow the use of (I) in high concentrations, typically about 5 wt.% in O/W microemulsions or O/W/O emulsions with 50 wt.% oil phase, so that the light protection filter is utilised to the full.

Dwg.0/1

Derwent Class: A96; B07; D21; E13; E19

International Patent Class (Main): A61K-007/42

International Patent Class (Additional): A61K-007/48; A61K-009/107

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DIALOG(R) File 351:Derwent WPI  
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WPI Acc No: 1999-303746/\*199926\*

XRAM Acc No: C99-089303

XRPX Acc No: N99-227553

Use of carboxamide gemini surfactant(s) - in formulations for cleaning  
hard and soft surfaces, for body care compositions and in agrochemical  
and hydro-chemical applications

Patent Assignee: HUELS AG (CHEM )

Inventor: BROCK M; KOCH H; KWETKAT K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19750246	A1	19990520	DE 1050246	A	19971113	199926 B

Priority Applications (No Type Date): DE 1050246 A 19971113

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19750246	A1	10	C11D-001/825		

Abstract (Basic): DE 19750246 A

NOVELTY - Carboxamide gemini surfactants are used in formulations  
for a variety of non-detergent applications.

DETAILED DESCRIPTION - Carboxamide gemini surfactants of formula:  
R1-[CO-NX-R2]z-NY-COR3 (I) are useful as components of formulations  
for: (1) cleaning hard and soft surfaces, (2) for cosmetic purposes,  
for body care or (3) for agrochemical or hydrochemical purposes.

(where: R1, R3 = 1-22C linear or branched, (un)saturated  
hydrocarbyl; R2 = a spacer, comprising an optionally branched 2-100 C  
chain, with 0-20 oxygen (O), 0-20 nitrogen (N), 0-4 sulfur (S) and 0-3  
phosphorus (P) atoms, having 0-20 substituents, e.g. of OH, COOH, NH2  
and/or acylamino, and containing 0-100 alkoxy groups; X, Y =  
(C2H4O)a(C3H6O)bH or (C2H4O)c(C3H6O)dQ;

a = 0-50; b = 0-60, provided that R2 is not C2H4 when b = 0; a+b =  
1-100; c = 0-20; d = 0-20; c+d = 1-40; Q = CH2COOM, SO3M, P(O)(OM)2,  
C2H4SO3M or OC(O)C2H3(SO3M)COOM'; M and M' = alkali(ne earth) metal,  
ammonium or alkanol ammonium).

INDEPENDENT CLAIMS are also included for the following: Use of  
gemini surfactants (I) as:

- (i) components of textile or leather auxiliaries and disinfectants;
- (ii) dispersants in coating compositions and therapeutic  
compositions, and in emulsion or suspension polymerisation; and
- (iii) flotation aids for ore processing.

USE - Gemini surfactants can be used as textile or leather  
auxiliaries, in disinfectants or dispersants, for emulsion or  
suspension polymerisation or as flotation aids (claimed).

Dwg. 0/0

Title Terms: CARBOXAMIDE; SURFACTANT; FORMULATION; CLEAN; HARD; SOFT;

SURFACE; BODY; CARE; COMPOSITION; AGROCHEMICAL; HYDRO; CHEMICAL; APPLY

Derwent Class: A25; A96; A97; B07; C07; D18; D21; D25; E19; F06; G02; J01;  
P41

International Patent Class (Main): C11D-001/825

International Patent Class (Additional): A61K-007/075; A61K-007/48;

A61K-007/50; B01F-017/22; B03D-001/006; C09D-007/02; C14C-011/00;

D06M-013/419; D06M-015/53